

# EFFICIENT SOFTWARE DOWNLOAD TO CONFIGURABLE COMMUNICATION DEVICE

## ABSTRACT

5        An efficient software download to a configurable communication device is disclosed  
herein. The method of efficiently downloading software begins with a step of receiving a  
request to configure a communication device to run a communication application. The  
communication device being configured has a plurality of function blocks with a fixed  
portion of hardware and a flexible portion of hardware, wherein the same plurality of  
10    function blocks is capable of operating a plurality of communication applications. In a next  
step, the capability of the fixed portion and the flexible portion of hardware of the  
communication device is evaluated for a capability of implementing the communication  
application. Next, configuration information only for the flexible portion of hardware of the  
communication device is transmitted to the communication device to enable it to operate the  
15    communication application. An identification of the communication application is also  
transmitted to the communication device for purposes of tracking its implementation.